TMO SYSTEMS

2005 TMO TACK-ON
29 APR 05

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HQMC I&L LPC-3

Topics of Discussion

- Customs SED & AES Direct
- DLMSO Migration
- TRACKER
- GTN 21
- NMCI Status
- AMS TAC
- CMOS

Customs - SED

- 1 Aug 2004, U.S. Department of State directed U.S. Customs Service to enforce provisions of 22 Code Of Federal Regulations (CFR) Part 126.4.

  – Requires U.S. Munitions List (USML) items be identified on bills of lading and a shipper's export declaration (SED) be prepared to certify freight shipments are for the exclusive end use of U.S. Military forces.

- SEDs provide advance shipment notification to the U.S. Customs Service resulting in faster cargo movement.

- Applies only to international shipments moved by commercial carriers and not by DoD organic assets.
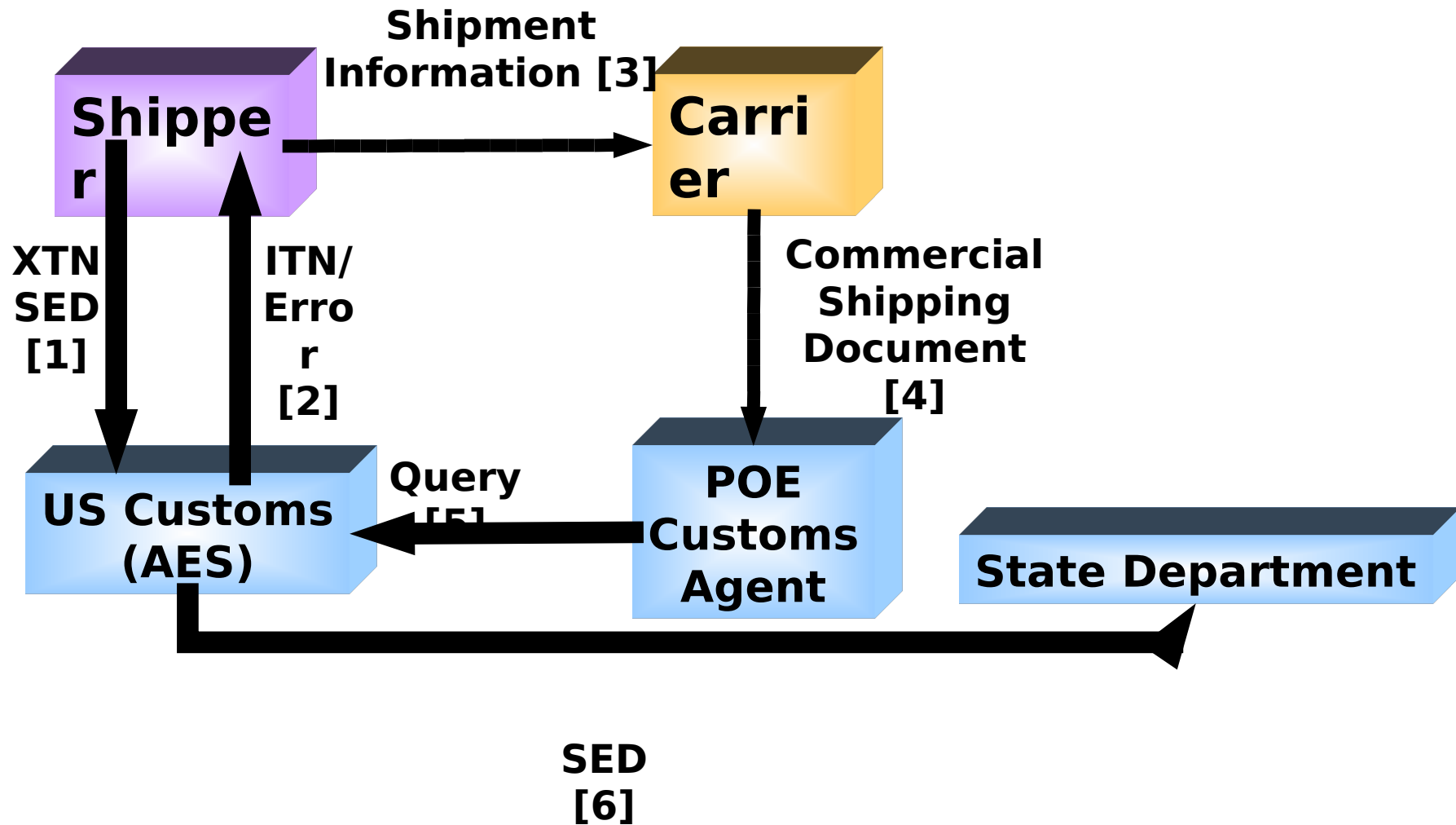
Customs - SED

- DoD received multiple waivers to permit interface development between DoD shipper systems and AES
  - Last waiver expired 28 Feb 2005
  - DLA's Distribution Standard System (DSS) and SDDC's Global Freight Management (GFM) system interfaces are operational
  - CMOS interface under development
    - Field testing planned to begin in late May 2005

Customs - AES SED Business Model

Shipment Information [3]

Shipper → **Carrier**

XTN SED [1]

ITN/ Error [2]

Commercial Shipping Document [4]

US Customs (AES)

Query [5]

POE Customs Agent

State Department

SED [6]

Customs - AESDirect

- In the interim, Marine Corps shippers must use AESDirect
  - AESDirect is a U.S. Census Bureau web based system which interfaces with AES
  - No NMCI or security accreditations are required for this system as long as the user restricts themselves to only the web application
- AESDirect web page, http://www.AESDirect.gov, includes information on how to register, a tutorial, and an AESDirect user guide
  - The guide explains how to complete and file the SED, and how to complete shipping documents, DD form 1149 (Requisition and Invoice/Shipping Document) and DD form 1348 (DoD Single Line Item Requisition System Document), with the information provided by AESDirect
- AESDirect registration requires Employer Identification Number (EIN) issued by the Internal Revenue Service (IRS)
  - EIN is used as the U.S. Principal Party of Interest (USPPI), filer ID, and as a component of the External Transaction Number (XTN)
  - IRS Form SS-4, Application for Employer Identification Number, must be completed to apply for an EIN

Customs - AESDirect

- AESDirect registration requires Employer Identification Number (EIN) issued by the Internal Revenue Service (IRS). (continued)
  - A copy of the form and instructions for completing can be found at the USTRANSCOM customs web site, https://business.transcom.mil/applications/customs/DoDcustoms.cfm, or the IRS website, http://www.irs.gov/formspubs/index.html
  - In block 8a, type of entity, check "federal government/military".
  - In block 9, reason for applying, check "other" and specify, "required for USPPI/filer ID by U.S. Customs Service Automated Export System."
  - The requesting agency has to sign the form.
  - Once completed, fax the SS-4 to Mrs. Bettye Dennery (IRS) at (215) 516-1165. If you have questions she can be reached at (215) 516-5439.
- HQMC LPC-3 published an AESDirect Standard Operating Procedure (SOP) and a CMOS-AES training guide under the customs section of the LPC-3 web site, http://hqinet001.hqmc.usmc.mil/i&L/v2/LP/LPC/3/LPC3Home.htm.
  - **Pages 8, 9, 10, and Appendix H of the SOP contain the best guidance on determining when an SED is required.**

DLMSO Migration - Policies

- USD AT&L Memo dated 22 Dec 2003
  - Migrate to Defense Logistics Management System (DLMS)
  - Eliminate Military Standard Systems (MILS) by 31 Dec 2004
- DoDD 8190.1, DoD Logistics Use of Electronic Data Interchange (EDI) Standards
  - Defense Logistics Management System Office (DLMSO) is DoD Executive Agent (EA) for logistics data exchanges
  - American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12, is DoD standard for logistics systems interchanges
- DoDD 4140.1 Materiel Management Policy
  - Authorizes publication of DoD business rules and standards
- DoD 4140.1-R Materiel Management Regulation
  - "Loaded" with DLMSO policy, procedure and guidance
- DoD 4000.25 series of Manuals and DoD 4500.9-R
  - Identifies electronic data interchange/standards
  - Prescribes logistics management policy, procedures, rules

DLMS Migration - What is MILS?

- DoD-unique standard developed 40 years ago
- Fixed length transactions
- Fixed length data fields
- Technically obsolete
- Constraint to business process improvement
- 11 million daily computer-computer exchanges via the Defense Automatic Addressing System Center (DAASC)

DLMS Migration - What are DLMS Transactions?

- Commercial EDI standard based transactions
  - American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12 implementation conventions
  - World Wide Web Consortium (W3C) compliant XML schemas
- 57 X12 Implementation Conventions (IC) and Extensible Markup Language (XML) schemas support all MILS functionality
- Variable length transaction and data fields
- Flexible to meet all DoD future information requirements
- 500K daily computer-computer exchanges via DAASC

DLMS Migration – TMO Impact

- Impact to Marine Corps-owned TMO systems:
  - AMS TAC: YES
    - TCMD handoff to GATES/WPS
    - D6T to STRATIS
    - ARI/ART/ALI ITV transactions to GTN via CMOS
  - TMS: maybe (TCC bills have embedded TCMD data)
  - No immediate changes in the following areas:
    - MILS documents (hard-copy)
    - Linear barcodes & 2D symbols (embedded DD1348 data)
    - RFID active tag formats (embedded TCMD and DD1348 data)
- Marine Corps Migration Status
  - Migration plan signed 7 Jul 2004 @ HQMC and forwarded to OSD and DLMSO
    - Requested IATO until 31 Dec 2010
    - Plan is a "living document"
    - Systems designated for migration to GCSS-MC, etc. will be retired upon migration
    - New systems created will meet XML standards
    - Legacy systems staying in place will be converted as funding becomes available
    - MILS/XML translators will be used as an interim

  - TRANSCOM developing/modifying DTR for new standards eliminating MILS

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TRACKER

- Web-based asset visibility tool that provides comprehensive supply, transportation, acquisition, and maintenance information
  - Users can query individual shipments/requisitions
  - Web site is https://tracker.wpafb.af.mil
- Oracle data warehouse that receives copies of transactions routed through the Defense Automatic Addressing System (DAAS)
  - Transactions are transferred every 15 minutes
- Functional Manager: Air Force Material Command (AFMC) LSO/LOL

TRACKER - Source Data

- Cargo Movement Operations System (CMOS)
  - EDI 858 Bill of Lading transactions
    - AF/ANG/AFRES sites
    - Marine Shipments
  - Advance Transportation Control & Movement Document (ATCMD) for International military
  - Intransit records
- Global Freight Management System (GFM)
  - EDI 858 Bill of Lading transactions
    - AF shipments from other services
    - AF Pub Center/ALC Procurement Traffic Contracts
    - DCMA/Vendors
- Distribution Standard System (DSS) - DLA Shipments
  - ATCMD
  - EDI 858 Bill of Lading transactions

TRACKER - Source Data

- EDI 214 Commercial Carrier Systems
  - Shipment Status
  - Transit Time
- EDI 110/210 - Commercial Carrier Systems
  - Invoice
- Global Air Transportation Execution System (GATES)
  - Cargo receipt and lift records at APOE and APOD
  - Port Intransit Records
  - Manifest Records
- MILS Formats
  - Supply wholesale/retail
  - MILSTRIP/MILSTRAP

File   Edit   View   Favorites

Address https://tracker.wpafb.af.mil/

Links ☐ Financial ☐ Games ☐ Reference ☐ STS I&L Trouble Ticket Alexandria, VA - How Business License Tax is Calculated Ambassador Barbara Bodine of the United States

AIR FORCE MATERIEL COMMAND
LOGISTICS SUPPORT OFFICE
TRACKER
FPCON ALPHA/INFOCON ALPHA

FRAMES	NO FRAMES	User's Manual
(Split-Screen)	(Full Screen)	
Logistics_Data_Queries	Logistics_Data_Queries	Download
Transportation_Billing	Transportation_Billing	Attachment
Query_Reports	Query_Reports	EXIT SITE

Air Clearance Authority	LogPAS (Password Required)	LRT - Iraqi Freedom and Enduring Freedom	LRT - Cargo Metrics	Transportation Financial Module - TFM (Password Required)

There have been **2221754** visitors to this site since 1 March 2000.

To use Tracker, you must be running IE 6.0 SP1 with High Encryption or Netscape 7.1 or higher. Email: webmaster

Problem Reporting during Duty Hours (EDT): DSN: 787-6883 COM: (937) 257-6883

ATTENTION	Database backups are performed each Sunday 1300 to Monday 0400 EDT.	ATTENTION

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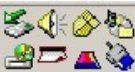
Internet

Start

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File   Edit   View   Favorites   »

Address https://tracker.wpafb.af.mil/cgi-bin/enter_nf

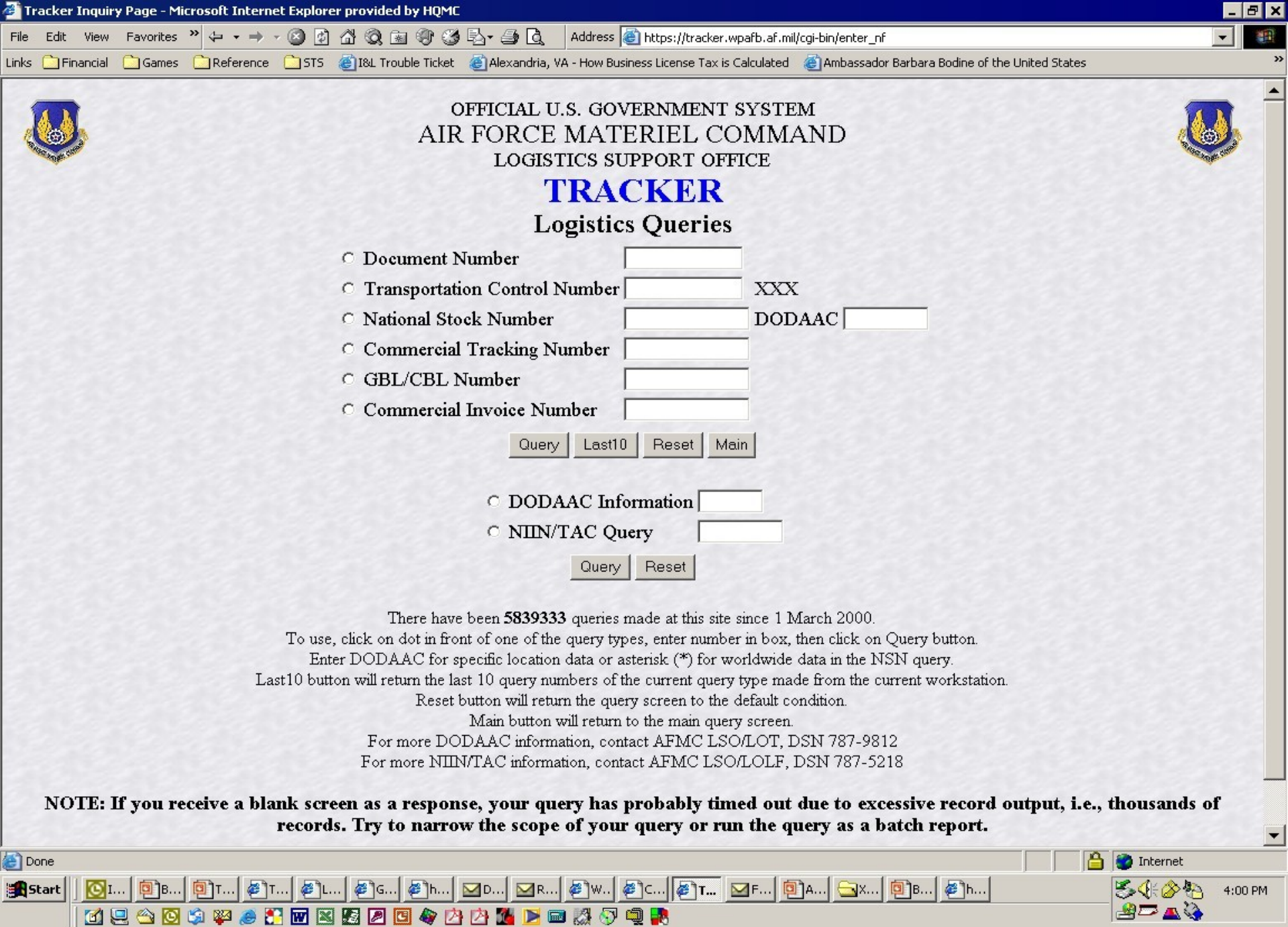Links 📁 Financial   📁 Games   📁 Reference   📁 STS   I&L Trouble Ticket   Alexandria, VA - How Business License Tax is Calculated   Ambassador Barbara Bodine of the United States   »

OFFICIAL U.S. GOVERNMENT SYSTEM
AIR FORCE MATERIEL COMMAND
LOGISTICS SUPPORT OFFICE
TRACKER
Logistics Queries

○ Document Number   [   ]

○ Transportation Control Number [   ] XXX

○ National Stock Number   [   ] DODAAC [   ]

○ Commercial Tracking Number [   ]

○ GBL/CBL Number   [   ]

○ Commercial Invoice Number [   ]

[Query] [Last10] [Reset] [Main]

○ DODAAC Information [   ]

○ NIIN/TAC Query   [   ]

[Query] [Reset]

There have been **5839333** queries made at this site since 1 March 2000.
To use, click on dot in front of one of the query types, enter number in box, then click on Query button.
Enter DODAAC for specific location data or asterisk (*) for worldwide data in the NSN query.
Last10 button will return the last 10 query numbers of the current query type made from the current workstation.
Reset button will return the query screen to the default condition.
Main button will return to the main query screen.
For more DODAAC information, contact AFMC LSO/LOT, DSN 787-9812
For more NIIN/TAC information, contact AFMC LSO/LOLF, DSN 787-5218

NOTE: If you receive a blank screen as a response, your query has probably timed out due to excessive record output, i.e., thousands of records. Try to narrow the scope of your query or run the query as a batch report.

Done   Internet

Start | I... B... T... T... L... G... h... D... R... W... C... T... F... A... X... B... h...   4:00 PM

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TRACKER - Missing Transactions in PowerTrack

- Verify that a valid BoL has been issued by your office
- Identify date/time the BoL passed CMOS outgoing messages to DAASC
- Go to https://tracker.wpafb.af.mil
- Insert BoL number into Logistics Data Query screen (No frames).
- View display results: (example)
  - CBL Number: BGMT300147
  - TCN: M304003080FE01XXX
  - Date/Time Received: Apr 29 16:39 (in Tracker)
  - Date/Time Passed: Apr 30 14:15 (to PowerTrack from Tracker)
  - DAAS File Name: XWP0161484.119.1.20030429142002
  - ICC Number: 12345
  - TAC: Local Funds
  - Bill To DODAAC: M93025

TRACKER - Missing Transactions in PowerTrack

- If the BoL is in Tracker and there are valid entries in the date/time received and passed fields, the DAAS filename field, and the ICC# field, Tracker has received, processed and transmitted the BoL to PowerTrack on the date/time indicated.
  - Contact the PowerTrack Helpdesk to obtain confirmation of upload into PowerTrack database by providing them with the BoL#, ICC #, and DAAS file name (and date) as annotated in Tracker.
  - The PowerTrack Helpdesk will then initiate the appropriate steps to resolve the missing transaction(s) and provide necessary feedback to the TMO and/or service headquarters.
- If the BoL is in Tracker, but there are no entries in the date/time passed, ICC#, and DAAS filename fields, Tracker has received the transaction, but not yet transmitted the BoL.
  - Contact Tracker at number shown on website to report problem.
- If Tracker shows no record of the BoL, then Tracker has not received the BoL yet.
  - Contact the CMOS FAB to report a missing transaction.
- If after the above procedures the issue of missing transactions has not been resolved, contact LPC-3, I&L, HQMC (1(703) 695-7930, DSN 225-7930) for further assistance.

GTN 21

- GTN debuted in Oct 1996 as a solution to the asset visibility challenges experienced during DESERT SHIELD and DESERT STORM
- Since Sep 2001, the Global War on Terrorism has resulted in a significant increase in the number of personnel using GTN
  - Customers performing queries on unclassified data jumped 61 percent to over 11K, while users of classified data soared 92 percent to more than 2K
  - End-user queries have risen to more than 120K per month compared to 40K before Sep 2001.
  - Despite this huge increase, GTN has continued to work extremely well. However, it is now being stressed beyond original design capabilities
- On 26 Sep 2002, Northrop Grumman Information Technology was awarded a $204.4 million contract to build GTN 21
  - Initial Operational Capability (IOC) is scheduled for Aug 2005
  - Full Operational Capability (FOC) is planned for Jul 2007

GTN 21

- GTN 21's features.
    - All the capabilities that are currently in legacy GTN and more.
    - GTN 21 will process up to 7.2 million transactions per day - 2.4 times greater than GTN.
    - More user-friendly functionality with a much better look and feel.
    - Improved command and control (C2) information to support warfighter decisions
    - An active data warehouse with two years of historical data vs. the current 90 days of data.
    - Support for over 20 customer application systems and will support multiple command post exercises simultaneously.
- GTN aggregates data from 25 government and nearly 50 commercial source systems to provide customers in-transit visibility (ITV) on passengers, patients, cargo, and conveyances.
- GTN 21 will receive data from these same sources, but will be easily expanded to add additional capability.

NMCI Status

- Base level - TMOs need to coordinate with local communications folks for seat identification/transfer requirements
- Legacy Application Certification for TMO applications
  - HQMC LPCD submitted all initial RFS on behalf of all TMOs
- New software releases
  - RFS must be submitted to NMCI for approval, testing and certification PRIOR to use
  - $7,500 per test
  - For MC-owned applications, system PMO responsible for RFS submission and testing
  - For joint systems, HQMC LPCD will coordinate RFS submission and testing

CMOS & AMS TAC FAQs

- What's going on with NMCI?

- When are we going to get training?

- What system enhancements are currently under development?

- What's going on with RFID?

- How do we get changes made to the system?

- Why can't we have just one system?

- What impact is GCSS-MC going to have?

AMS TAC

- NMCI
  - V3.0.4 - passed certification testing
  - V3.0.7 - latest available version
    - Only permitted on legacy desktops or kiosks

- User Training
  - Annual User and SA Training /MTT's (Ongoing)

AMS TAC Future

- AMS TAC Version 3.1 Highlights
  - CMOS Interface - In testing
  - Symbol 8146 Scanners - GAT Test May 2005
  - HTTPS Two Way Interface to ITV Server
  - Computer Based Training - Oct 2005

- New Users - Navy
  - Navy Pilot Implementation
    - CENTCOM
    - Singapore
    - Korea
  - Full Scale Navy Implementation FY 06?

- Possible Future Modifications
  - AMS TAC RFID Automatic Tag Read
    - Read Tag and update ITV Server (Similar to TIPS Read)
  - WPS Interface
  - Intermec CK31G Scanner
  - Passive RFID
  - Smaller RDU on wheels and handle (1 Man)

CMOS

- NMCI
  - Issues
    - Initial installation requires change to Windows Registry - violates DON/NMCI security policy
    - Waiver request was denied
  - Versions
    - V6.3.3.a - Currently available
    - V6.3.3.b - Currently in lab testing, release scheduled for May 2005
      - Will include interface with AES
    - V7.0 - Release scheduled for Sep 2005
    - **All versions only permitted on legacy desktops or kiosks**
      - **Status quo until waiver is granted or transition is made to a Web-based application**

CMOS

- User Training
  - Investigating use of Air Force Schoolhouse at Lackland AFB
  - Working with OccField Sponsor and Air Force to determine annual quotas
  - USMC unique curriculum changes TBD

CMOS & AMS TAC RFID Capability

- Funding RFID initiative of possible future requirements

- Equipment procured
  - AMS TAC - Interrogators and docking stations
  - CMOS - Docking stations only

- Website tracking equipment, locations, quantities and warranty dates being developed at MARCORSYSCOM

- Training for RF-Tag read/write capabilities
  - AMS TAC - Started Jan 2004 and is continuing
  - CMOS - TBD
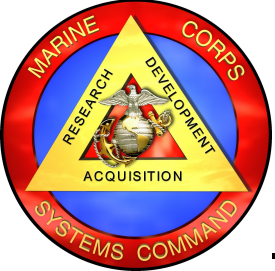
Submitting System Engineering Change Proposals (ECP) / Problem Reports (PR)

- HQMC I&L and MCSC are responsible for the following
  - Accumulating list of new functional requirements
    - List is validated by HQMC
  - Scrubbing list with user community
  - Schedule approved work for development
- MCSC handles validated requests for CMOS, AMS TAC, JFRG II, TCAIMS II, AALPS, ICODES, SMT, MAGTF
- HQMC I&L handles validated requests for all other TMO systems
- ECP / PR form - send e-mail to morrowrj@hqmc.usmc.mil
  - Form to be posted on LPC Web site upon completion of reorganization

Engineering Change Proposal (ECP) / Problem Report (PR)

TMO System POCs

- HQMC I&L: Richard Morrow, (703) 695-7930, DSN 225, morrowrj@hqmc.usmc.mil

- GCSS-MC: Randy Delarm, (703) 784-0839, randy.delarm@usmc.mil

- Log IT: LtCol David Ditton, (703) 784-0867, david.ditton@usmc.mil

- Transportation and Distribution Information Systems (TDIS) Project Officer:
  Tony Brill, (703) 432-0267, tony.brill@mcsc.usmc.mil

- CMOS / AMS TAC: SSgt Donald Cooper, (703) 432-0268, donald.c.cooper@usmc.mil &
  Joe Rothrock, (703) 432-0272, joseph.rothrock@usmc.mil

- TC-AIMS II / AALPS / ICODES: Tony Brill, (703) 432-0267, tony.brill@usmc.mil

- SMT: Mr. Mike Escher, (703) 432-0271, michael.escher.ctr@usmc.mil

- MAGTF LOG AIS: Mr. Tom Voth (DSN 567-7200) votht@mcsc.usmc.mil

- AIT/RFID: Tony Brill, (703) 432-0267, tony.brill@usmc.mil & Joe Shaw, (703) 432-0266,
  joseph.shaw@usmc.mil